

FIG. 1 prior art

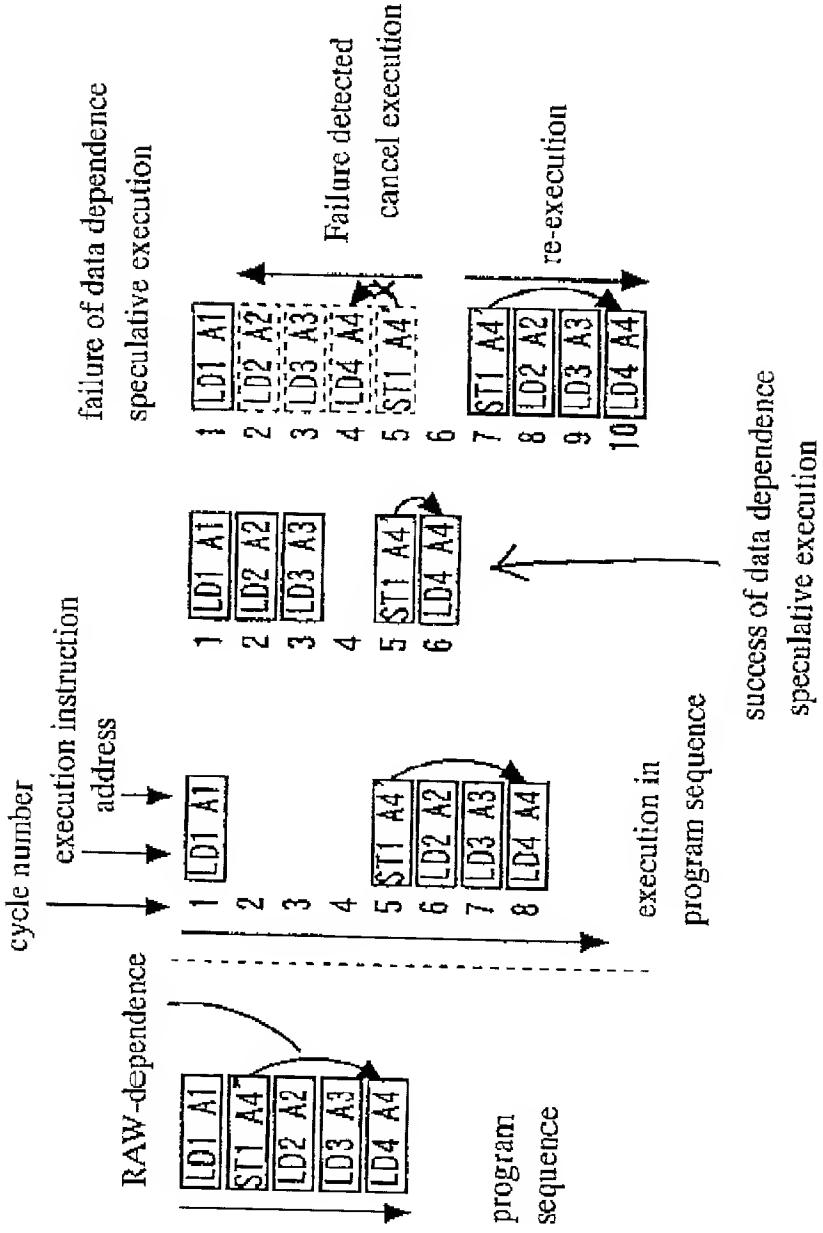


FIG. 2 prior art

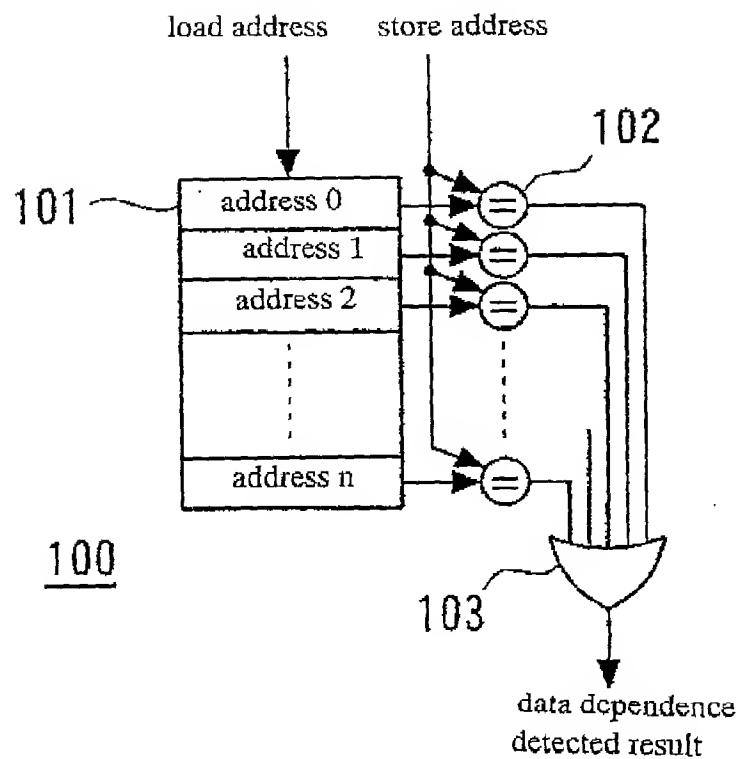


FIG. 3

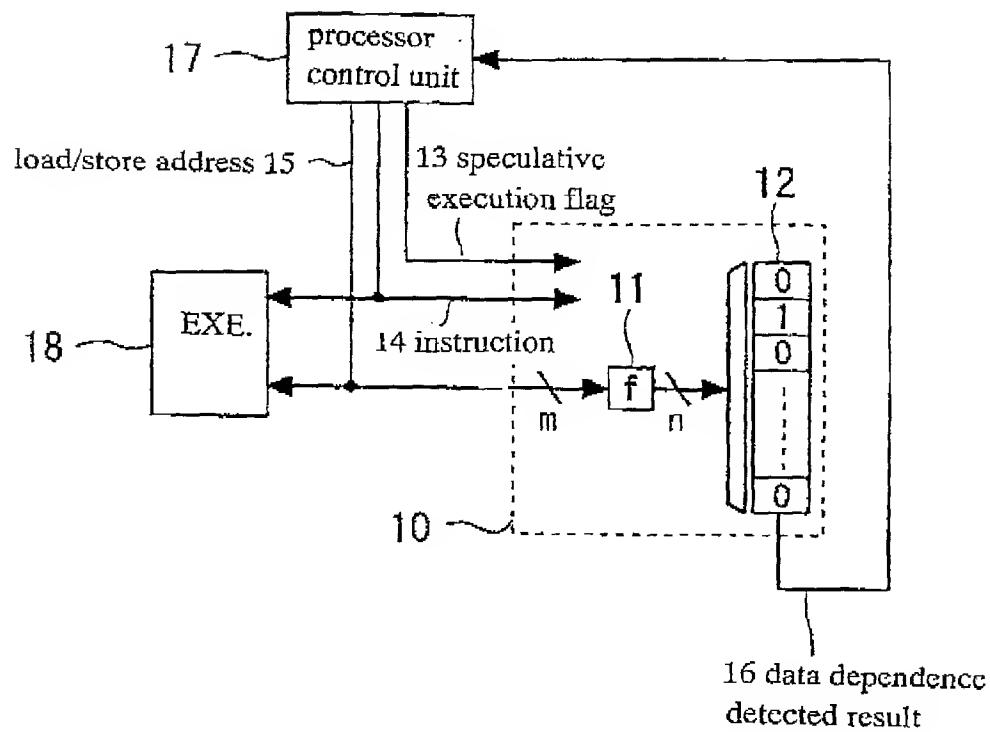


FIG. 4

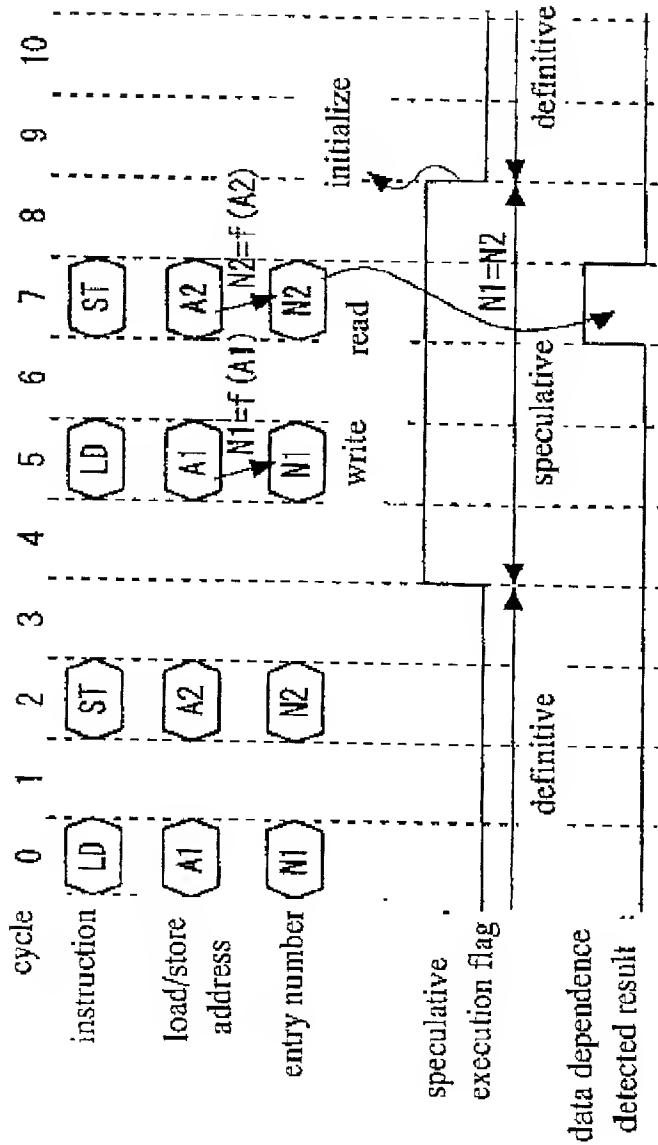


FIG. 5

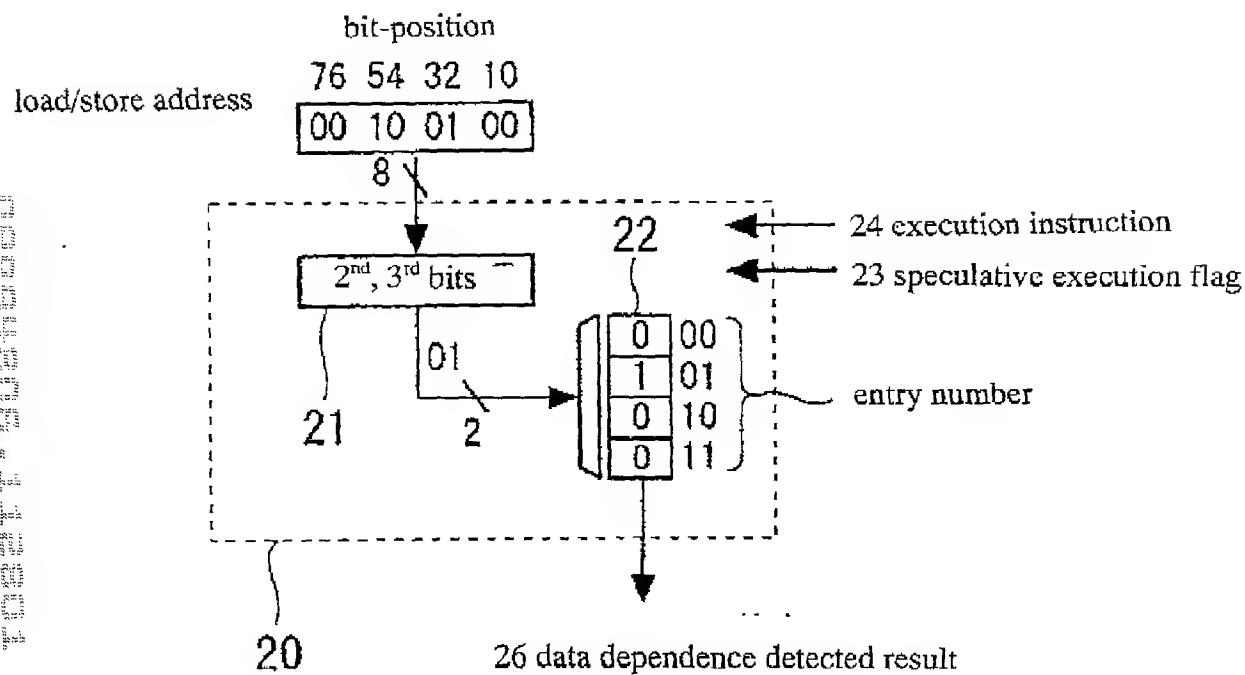
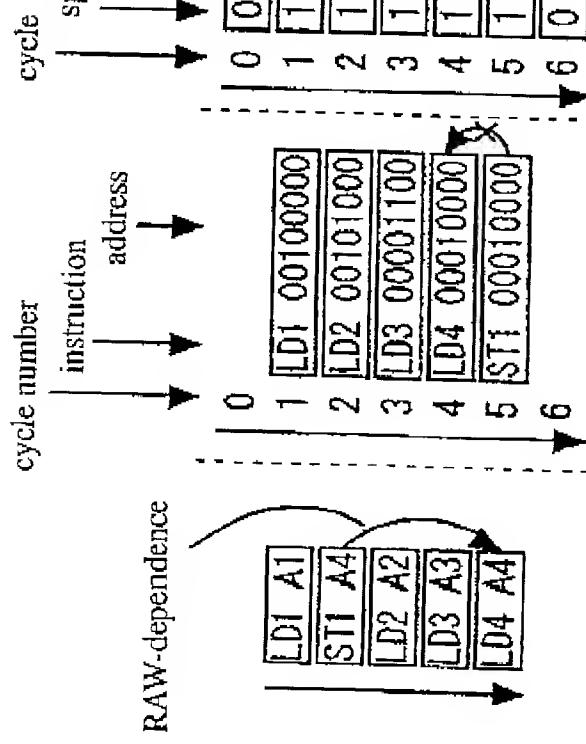


FIG. 6A



execution in
program sequence

data dependence
detection

FIG. 6B

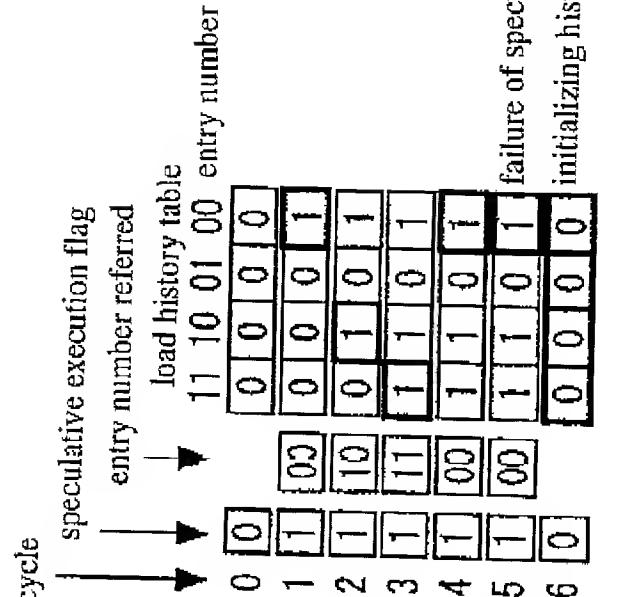
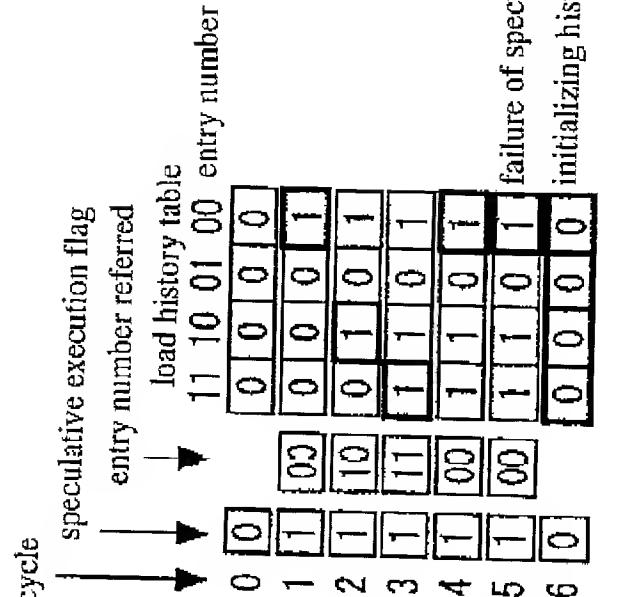
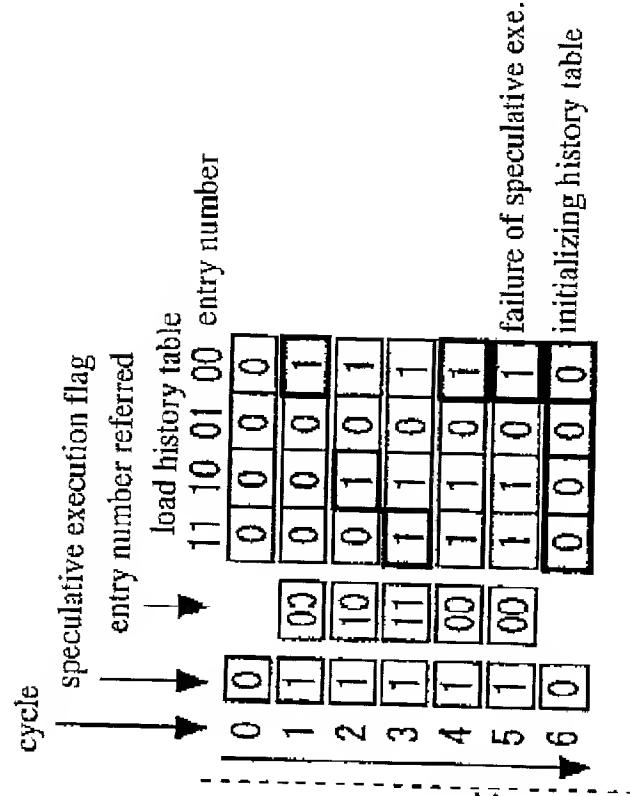


FIG. 6C

FIG. 7A

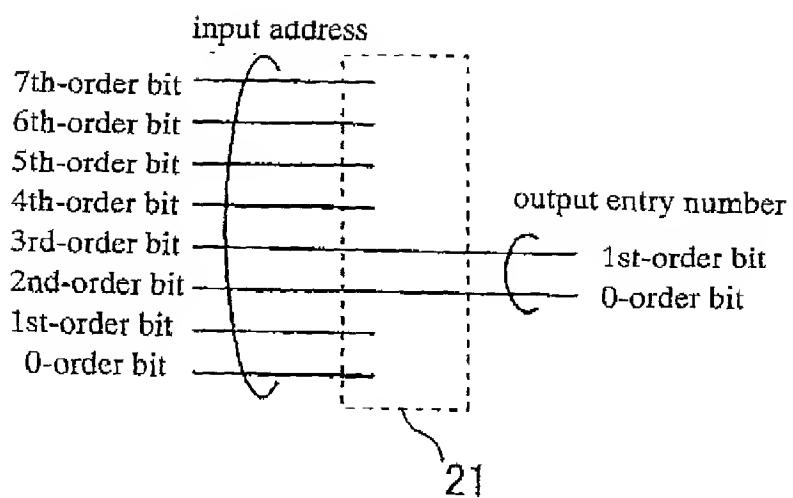


FIG. 7B

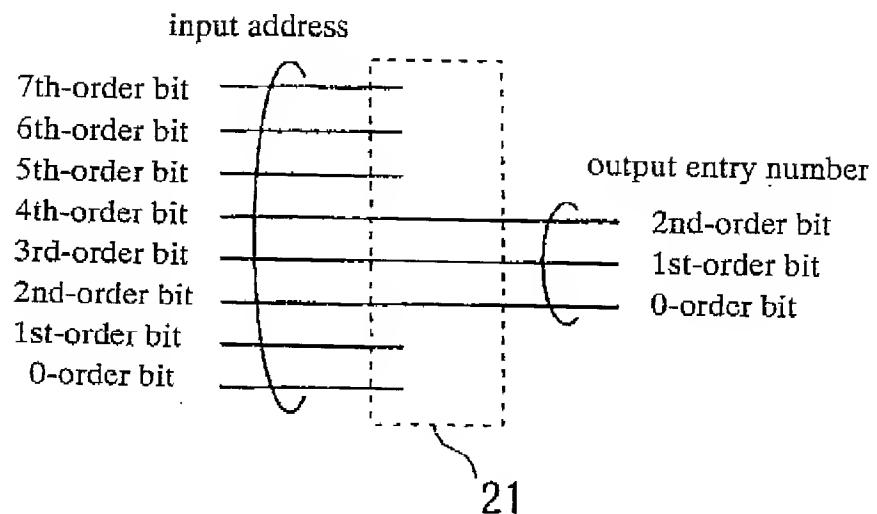


FIG. 7C

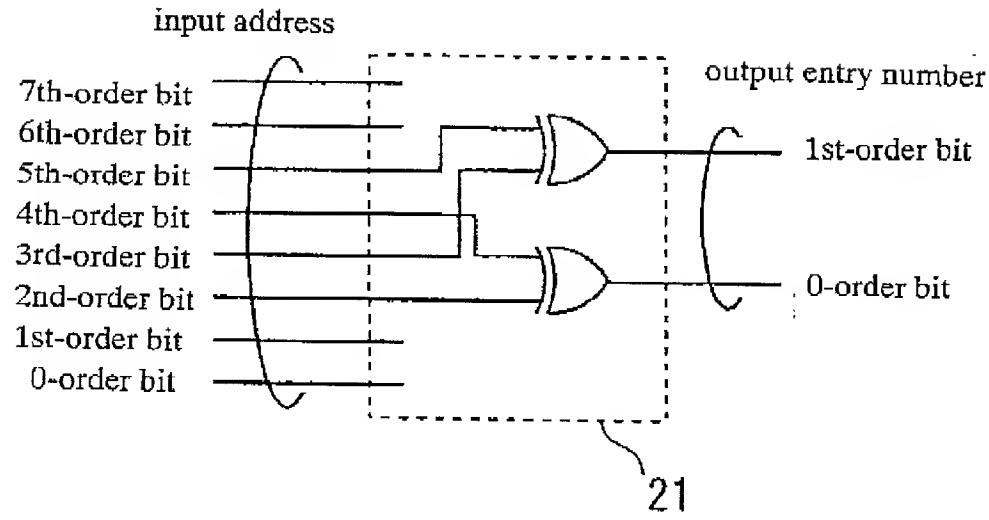


FIG. 8

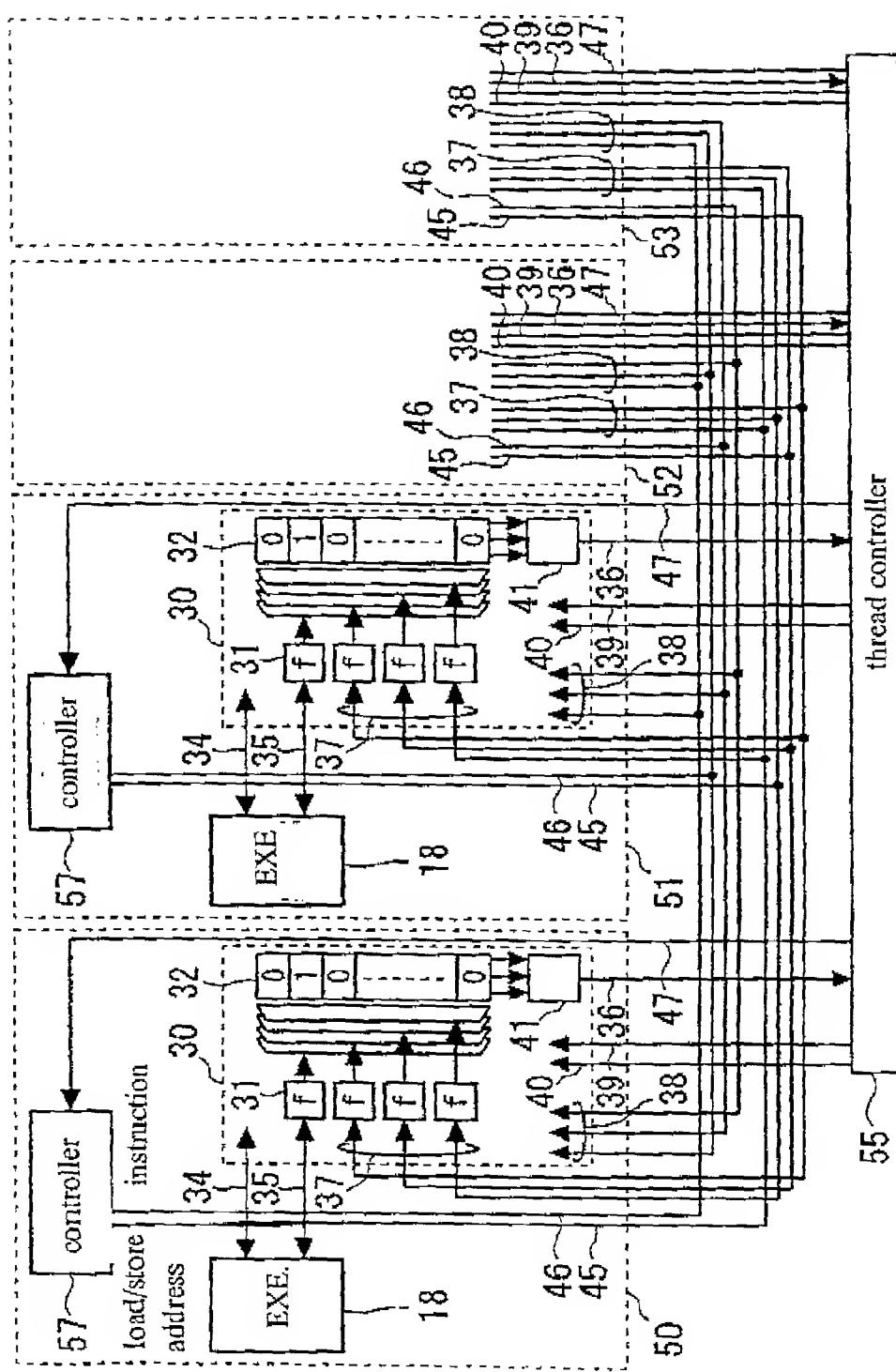


FIG. 9A

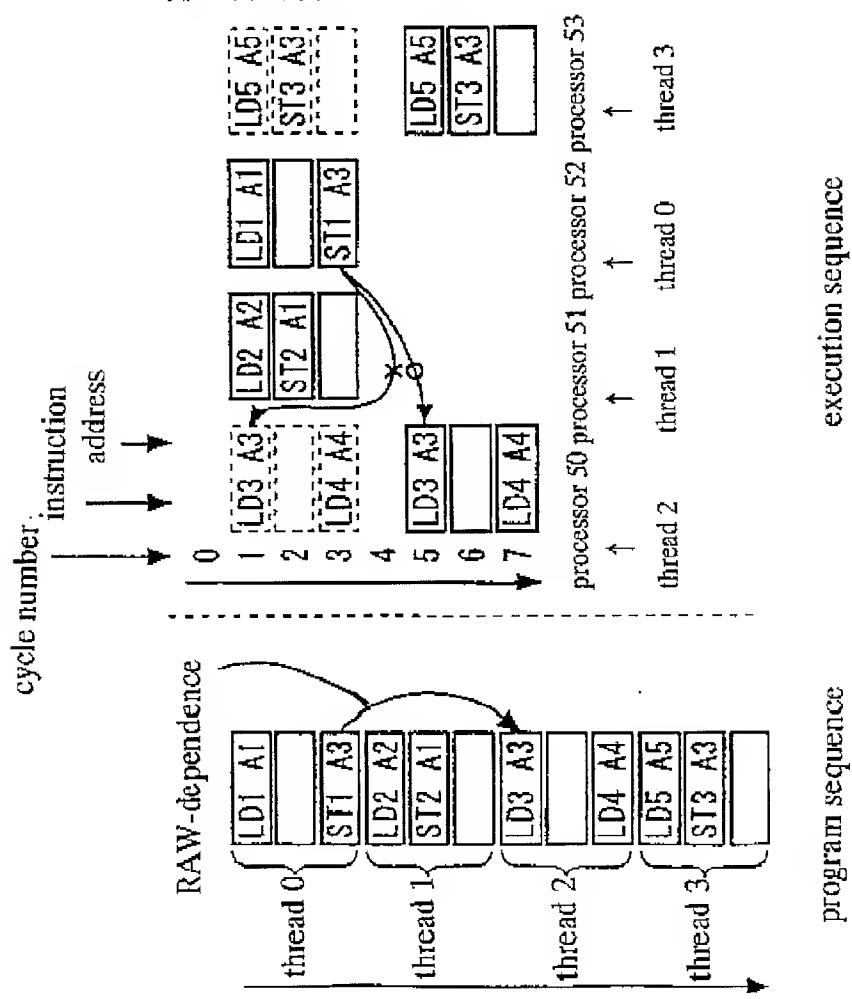


FIG. 9B

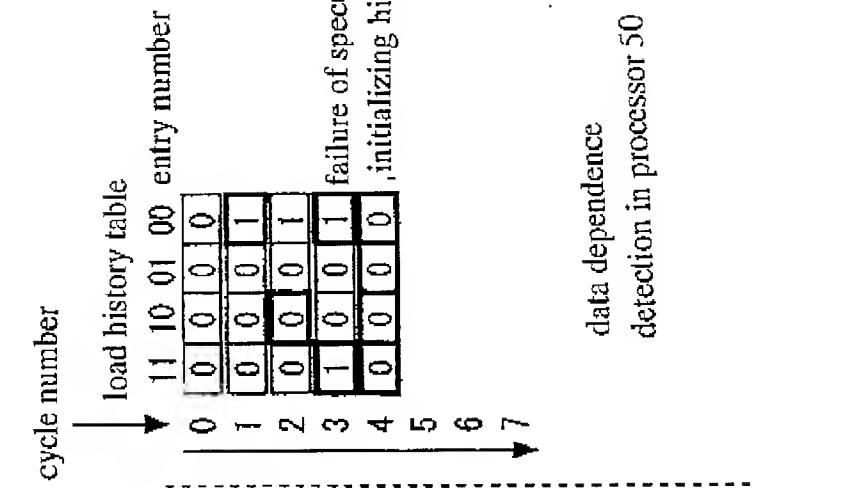


FIG. 9C

FIG. 10

